

## Software Developers, Systems Software (15-1133)

**Occupation description:** Research, design, develop, and test operating systems-level software, compilers, and network distribution software for medical, industrial, military, communications, aerospace, business, scientific, and general computing applications. Set operational specifications and formulate and analyze software requirements. May design embedded systems software. Apply principles and techniques of computer science, engineering, and mathematical analysis.

### Employment and Job Openings

	Average employment			Average annual openings		
	2010 estimate	2020 projection	Percent change	Growth	Replacement	Total
Alaska	207	238	15.0	3	3	6
United States	392,300	519,400	32.4	12,720	4,080	16,800

#### Job outlook

**Alaska:** Alaska's employment growth is strong with low employment opportunities. [Read more.](#)

### 2013 Wages ?

	Mean Wage and 95% Confidence Interval			Wage by Percentile		
	Low	Mean	High	10th	Median	90th
United States	n/a	50.23	n/a	30.35	48.75	72.48
Alaska	40.74	43.20	45.66	31.52	42.11	58.75
Anchorage/Mat-Su Area (MSA)	39.79	43.17	46.55	31.32	42.05	59.15
Balance of State	43.02	46.00	48.98	32.72	45.73	62.13

### Labor Force Indicators

2012 Worker Characteristics				
Total workers	Nonresident workers	Percent nonresident	Percent age 45 plus	Percent age 50 plus
148	57	38.5	37.3	26.5

2012 Potential Supply	
Qualified but working in another occupation	89
Currently employed in a lower paid occupation	74
UI claimants previously working in occupation	8

2012 ALEXsys Employment Data	
Number of registrants	63
Number of job position postings	22
Ratio of registrants to job position postings	2.9

## Typical Entry-level Education, Experience, and/or On-the-job Training

**Education:** Bachelor's degree

**Work experience:** None

**On-the-job training:** None

## Training Resources

Degree	
<b>Alaska's Institute of Technology (AVTEC)</b>	
Information Technology	Certificate
<b>Charter College, Anchorage</b>	
Computer Science: Concentration in Business Applications	AAS
Information Technology Engineering	BS
<b>Charter College, Wasilla</b>	
Computer Science: Concentration in Business Applications	AAS
<b>University of Alaska Anchorage</b>	
Business Computer Info Systems	AAS
<b>University of Alaska Fairbanks</b>	
Computer Engineering	BS
Computer Science	BS
Computer Science	MS
Software Engineering	MSE